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Waste Site Reclassification Form

Date Submitted: 8/26/1999	Operable Unit(s): 200-CW-1	Control Number: 99-057
Originator: R. Hudson	Waste Site ID: UPR-200-E-14	
Phone: 376-1454	Type of Reclassification Action:	
	Rejected <input checked="" type="radio"/> Closed-Out <input type="radio"/> No Action <input type="radio"/>	

This form documents agreement among the parties listed below authorizing classification of the subject unit as rejected, closed-out, or no action and authorizing backfill of the site, if appropriate. Final removal from the NPL of no action or closed-out sites will occur at a future date.

Description of current waste site condition:

The site is an unplanned release that occurred as a result of a break in a dike of the 216-B-3 Main Pond. The release site was stabilized with clean soil. Later 216-B-3A lobe was constructed over the release site. The contaminated soil may have been removed when the 216-B-3A lobe was constructed. However, no documentation was found regarding the construction of the lobes of B Ponds.

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Basis for reclassification:

The release site is within the boundary of the 216-B-3A lobe of B Ponds. Any contaminated soil from this release will be addressed with the cleanup of WIDS Site 216-B-3A RAD. Note that 216-B-3A (WIDS Site 216-B-3A) was a RCRA Treatment, Storage and Disposal (TSD) that has been clean closed under RCRA. WIDS Site 216-B-3A RAD was created to identify and document cleanup activities for any residual radiological contamination.

<u>Ann. B. Sidpara</u>	<u>Ann. B. Sidpara</u>	<u>1/19/00</u>
DOE Project Manager	Signature	Date
<u>Wayne Saper</u>	<u>Wayne Saper</u>	<u>1-19-00</u>
Ecology Project Manager	Signature	Date
<u>NA</u>		
EPA Project Manager	Signature	Date

Waste Information Data System

General Summary Report

11/23/1999

Site Code: UPR-200-E-14 Site Classification: Accepted Page 1

Site Names: UPR-200-E-14, UN-200-E-14, 216-B-3 Pond Dike Break
Site Type: Unplanned Release Start Date: 1958
Status: Inactive End Date: 1958
Operable Unit: 200-CW-1 Coordinates:
Hanford Area: 200E (E) 577127.875
(N) 136709.464
Washington State Plane

Site Description: The site is an unplanned release that occurred as a result of a dike break in 216-B-3 Pond. In 1963, the 216-B-3A Pond lobe was built over the top of this release site. There is no visible evidence of this release. It is not physically marked or posted. There is a large percolation trench in the center of the 216-B-3A pond that is posted as a Soil Contamination Area. However, the percolation trench was dug in 1984 and this Unplanned Release occurred in 1958.

This site has been consolidated with 216-B-3B RAD

Location Description: The release site was located east of the 200 East Area perimeter fence. The release occurred on the east side of the 216-B-3 Main Pond.

Associated Structures: The release is associated with 216-B-3 Pond and 216-B-3A lobe.

Site Comment: Document PNL-6456, issued in 1968, states that the contamination was covered with clean soil and released from radiation zone status in 1970. Documents ARH-2015 and ARH-2757 are listed as references for this release. The ARCHO documents ARH-2015 and ARH-2757 do not mention any surface stabilization activities. No information is provided related to contamination levels.

Cleanup Activities: The area was removed from radiation zone status in December 1970.

Release Description: A break in the dike at 216-B-3 Pond in 1958 caused ground contamination in a ravine east of the pond. The "A" lobe of 216-B-3 Pond was built in 1963, over the top of the area where this release occurred. The release site was probably removed when the pond lobe was dug out.

References:

1. J. D. Anderson, 4/9/73, Radioactivity in Liquid Waste Discharged From the Separations Facilities During 1972; Part 3, ARH-2757.
2. M. C. Jacobs and D. L. Uebelacker, 4/7/71, Radioactive Liquid Discharged to Ground in the 200 Areas During 1970; Part 3, ARH-2015.
3. R. D. Stenner, K. H. Cramer, D. A. Lamer, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.

Regulatory Information:

Programmatic Responsibility

DOE Program: EM-30 Confirmed By Program: Yes
DOE Division: WSD - Waste Storage Division
Responsible Contractor/Subcontractor: LMHC - Lockheed Martin Hanford Company

Site Evaluation

Solid Waste Management Unit: No
TPA Waste Management Unit Type: Unplanned Release Unit

This Site Was Consolidated With:

216-B-3A RAD, 216-B-3A Expansion Lobe Residual Radioactive Waste, 216-B-3 1st Overflow Pond

Reason: Within Boundary Of Larger Site

Permitting

RCRA Part A Permit:	No	216/218 Permit:	No
RCRA Part B Permit:	No	NPDES:	No
Closure Plan:	No	State Waste Discharge Permit:	No
TSD Number:		Septic Permit:	No
Air Operating Permit:	No	Inert Landfill:	No
Air Operating Permit Number(s):			

Tri-Party Agreement

Lead Regulatory Agency: Ecology
Unit Category: RCRA Past Practice (RPP)
TPA Appendix: C

Remediation and Closure

Decision Document:
Decision Document Status:
Remediation Design Group:
Closure Document:
Closure Type:

Post Closure Requirements:

Residual Waste:

Waste Information:

Type: Process Effluent
Category: Mixed
Physical State: Liquid
Waste Obscured: Soil Overburden

Description: A dike break had the potential to carry material from any of the sources listed here. Waste streams flowed from the 216-A-29 and 216-B-3-3 Ditches into the 216-B-3 Pond. Discharges to 216-B-3 via 216-B-3-3 included: 221-B Building steam condensate and process cooling water; 284-E Powerhouse water; 244-CR Vault cooling water; 244-AR Vault and 242-A Evaporator cooling water; 202-A process cooling water, condenser cooling water, and air sampler vacuum pumps seal cooling water; 241-BY Tank Farm condenser cooling water; and Waste Encapsulation Storage Facility cooling water. Discharges to 216-B-3 via 216-A-29 included 202-A chemical sewer and acid fractionator condensate. The main pond received corrosive and toxic dangerous waste from two primary sources: the regeneration of the Plutonium Uranium Extraction (PUREX) plant demineralizer columns and from spills of dangerous or mixed waste from PUREX. The spills included hydrazine, cadmium nitrate, and ammonium fluoride/ammonium nitrate. The backwash from the regeneration of the demineralizer columns included nitric acid, sulphuric acid, sodium hydroxide, and potassium hydroxide.

References: 1. J. D. Anderson, 4/9/73, Radioactivity in Liquid Waste Discharged From the Separations Facilities During 1972; Part 3, ARH-2757.
2. R. D. Stanner, K. H. Cramer, D. A. Lamar, 10/88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.

Field Work:

Type: Site Walkdown
Begin Date: 07/30/1999 Field Crew: CR Webb
End Date: 07/30/1999

Purpose: verification

Comment: A percolation trench is located in the center of the 216-B-3A pond lobe and is posted with Soil Contamination signs. The percolation trench was dug in 1984 and is not related to the 1958 Unplanned Release.

References: 1. C. R. Webb, Field Logbook assigned to Christine Webb, EL-1255 and EL-1255-1.

Images:

Date Taken: 8/12/99

Pathname: \\bh002\lead-img\200E\1318\1318_01.JPG

Description: Photo shows the 216-B-3A Pond.